

CURRICULUM VITAE
DEREK A. STROM

Office : CERN Building 42-1-021
Phone : +41 22 76 62389
Email : dstrom@fnal.gov

Education

Ph.D., Physics, Northwestern University, Evanston, IL, 2009
Thesis: *Study of CP Violation in $B_s^0 \rightarrow J/\psi\phi$ Decays at DØ*
Advisor: Professor David Buchholz

B.A., Physics, Mathematics, Augustana College, Rock Island, IL, 2002

Research Positions

2009 – present: Postdoctoral Research Associate, University of Illinois at Chicago, CMS Experiment
2002 – 2009: Research Assistant, Northwestern University, DØ Experiment
1999 – 2001: Summer Research Assistant, Fermilab, Pierre Auger Cosmic Ray Observatory

Leadership Positions

Jan 2011 – present: CMS Silicon Strip Tracker Online Group Convenor

Talks at Conferences, Seminars, and Colloquia

Operation of the CMS Silicon Tracker
10th International Conference on Large Scale Applications and Radiation Hardness of Semiconductor Detectors, Florence, Italy, July 2011

Evidence for Significant Matter-Antimatter Asymmetry at DØ
22nd Rencontres de Blois, Blois, France, July 2010

B_s /Rare Decay Results from the Tevatron
Les Rencontres de Physique de la Vallée d'Aoste, La Thuile, Italy, March 2010

CP Violation in the B_s^0 System at the Tevatron
Flavor Physics and CP Violation Conference, Taipei, Taiwan, May 2008

Particle Physics in the 21st Century
Department of Physics and Astronomy, Augustana College, Rock Island, IL, April 2008

CP Violation in the B_s^0 System at DØ
April Meeting of the American Physical Society, St. Louis, MO, April 2008

CP Violation in the B_s^0 System at DØ

High Energy Physics Seminar, Northwestern University, Evanston, IL, April 2008

Design and Performance of the New Innermost Layer of Silicon Detector at DØ

Nuclear Science Symposium and Medical Imaging Conference, Honolulu, HI, November 2007

Recent B Physics Results at DØ

Lake Louise Winter Institute, Lake Louise, Alberta, Canada, February 2007

CP Violation and Lifetime of the B_s^0 Meson

Joint Meeting of Pacific Region Particle Physics Communities, Honolulu, HI, November 2006

B_s^0 Lifetime, Branching Ratio of $B_s^0 \rightarrow D_s^ D_s^*$, and Lifetime Difference Measurements at DØ*

High Energy Physics Seminar, Northwestern University, Evanston, IL, October 2006

Poster Presentations

CP Violation in the B_s^0 System at DØ

34th International Conference on High Energy Physics, Philadelphia, PA, August 2008

CP Violation in the B_s^0 System at DØ

Fermilab Annual Users' Meeting, Fermilab, Batavia, IL, June 2008

The Layer 0 Silicon Detector at DØ

Fermilab Annual Users' Meeting, Fermilab, Batavia, IL, June 2006

The Run IIb Silicon Upgrade at DØ

Fermilab Annual Users' Meeting, Fermilab, Batavia, IL, June 2005

Awards

ICHEP Conference Travel Award: ICHEP Conference (2008)

American Physical Society Travel Grant: APS April Meeting (2008)

Northwestern Travel Grant: Nuclear Science Symposium and Medical Imaging Conference (2007)

APS Division of Particle and Fields Travel Grant: APS-DPF + JPS Conference (2006)

Northwestern Travel Grant: APS-DPF + JPS Conference (2006)